

Monsanto

156050  
CONFIDENTIAL 92-CV-204-WDS

FROM  
(NAME-LOCATION-PHONE) R. H. Sinise - W.G.K. Plant

DATE October 3, 1980  
SUBJECT MEETING MINUTES WITH  
IEPA IN SPRINGFIELD  
REFERENCE Dead Creek/Cahokia  
TO P. E. Heisler

cc. J. W. Molloy  
H. W. Curtis  
P. Park - E2NE  
W. Papageorge - G4WA  
O. Hicks - T2F

People in Attendance:

Jim Kelty - IEPA  
John Renkes - IEPA  
Reed Neuman - State Attorney  
Stan Parsons - State Attorney  
R. Sinise  
P. Heisler  
O. Hicks  
IEPA Lab Analyst

Meeting Minutes, 9/29/80, at Springfield, Illinois.

Paul opened the meeting stating Monsanto had taken two sets of samples in the Dead Creek area at two different times. The first set of samples did not indicate phosphorus; they did indicate linear hydrocarbons and metals. We did not analyze for PCB. The second set of samples was taken a week ago, and we do not have results yet.

Monsanto would like to cooperate with the IEPA in the sample program they discussed at the NWS Conference. We firmly believe that Monsanto is not at fault or responsible for the chemicals appearing in Dead Creek. However, whenever PCB and Phosphorus are mentioned, the company is automatically associated with these chemicals by the public. Since we are concerned about our reputation we would like to:

- (1) Participate in sampling of Dead Creek between Judith Lane and Queeny Avenue and assist in any way we can.
- (2) Find out what the IEPA sample program is. We have limited resources and may not be able to participate fully.

We are also interested in P<sub>4</sub> and PCB analytical methods.

CER 008156

IN - 104 REV. 8/77

CONFIDENTIAL 12-31-80

Kelty:

We analyzed the materials for organics here in Springfield. Champaign Lab did the inorganic metal work. Total phosphorus was run by the Champaign Lab. Part of the sample was sent to the Water Resources Lab in Champaign for organo-phosphorus. We believe there is phosphorus present, due to the reports of spontaneous combustion by residents. The sample with high phosphorus was taken 40 yards north of Judith Lane and consisted of scraping top reddish soil from the ground.

It was discussed that samples taken even next to each other will vary widely in their analysis. Both labs are doing good jobs and this highlights the need for split samples. The sample we took was in the same area but was six inches below the reddish material.

Kelty:

The ICAP indicated 85% of the Total Phosphorus was organophosphates and less than 1 ppm was ortho-phosphates as determined in the Water Resources Lab in Champaign. Fumes generated during the sample preparation were very acid and actually injured a lab technician in the Champaign Lab.

Sample procedures were discussed concerning PCB's. The procedures were not known by Mr. Kelty for the analysis of phosphorus. PCB was extracted from the soil with a 50% hexane/50% cyclohexane two-step, 10 gram extraction procedure. The analysis used electron capture gc analysis confirmed by gc mass spec. The identified material was Archlor 1248.

We stated Monsanto stopped manufacturing 1248 in 1970. Our analysis identified 1254 Archlor in the first sample which we reanalyzed later for PCB.

Kelty:

This Thursday we propose to split samples with Monsanto as per the attached memo. Chain of custody must be maintained for each set of samples. The samples will be analyzed for PCB, Total Phosphorus plus breakdown, Chlorobenzene family, and Chlorophenol family.

We must check with management before authorizing this sample program. I will respond to you early tomorrow (9/30/80). I would like to include the greenhouse well in this program.

CER 008157

Renkes

Now that we have concluded the sample discussions - do you have any knowledge of a landfill east of Dead Creek and 300 yards south of Sauget City Hall?

Heisler stated he does not know of any of our products that were landfilled on that site. We did not own the land in question. We do have information that in the late 20's and early 30's there was a landfill in that general area.

Subsequent to this meeting Paul Heisler returned a call to Kelty stating we would participate Thursday as we discussed. We would analyze for Total Phosphorus plus breakdown, PCB, MCB, DCB, DCP, and PNCB. We will take 3 samples of the creek and one sample of the well.



R. H. Sinise

adm

10/6/80

The sample procedure described above was carried out on Thursday, October 2. Samples were split and both the State and Monsanto are analyzing their part of the creek samples for PCB's, Phosphorus, "Chlorinated phenols and chlorinated benzene," i.e., dichlorobenzene, trichlorobenzene, nitrochlorobenzene, and dichlorophenol. The water sample will be analyzed for PCB's only. Laboratory verification procedures will be used, not good lab practice procedures.

P. E. Heisler

CER 008158



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

CONFIDENTIAL 92-CV-204-WJS

DATE: September 29, 1980  
TO: John Rankas  
FROM: Jim Kalty  
SUBJECT: IEPA and MONSANTO CHEMICAL COMPANY COOPERATIVE SAMPLING PROGRAM  
DEAD CREEK, SAUGET/CAHOKIA.

The purpose of this memo is to outline a program for joint sampling and analyses between the IEPA and Monsanto Chemical Company in Dead Creek.

- 1) Sampling will be done on October 2, 1980, beginning at approximately 2:00 p.m. and will be conducted by IEPA, ERU Personnel and Monsanto Chemical Company Representatives.
- 2) Soil samples will be taken from the north, central, and south areas of the ditch from sites previously determined by the IEPA to be contaminated.
- 3) Samples will be split and submitted to respective laboratories for elemental analysis and also organic analysis for PCB's and other chlorinated hydrocarbons. Laboratory procedures will be exchanged.
- 4) Laboratory results should be completed by October 16, 1980, at which time a meeting can be scheduled for the purpose of comparing and discussing results.
- 5) It is requested that all results be kept confidential until such a time that it is mutually agreeable to make them public.

JK:jks

CER 008159